

B1  
Cont

The first and second magnetoresistors are coupled to the first isolator output terminal, the second and third magnetoresistors are coupled to the first supply terminal, the third and fourth magnetoresistors are coupled to the second isolator output terminal, and the first and fourth magnetoresistors are coupled to the second supply terminal. The input strap has at least one turn coupled between the first and second isolator input terminals. The input strap is disposed with respect to the first, second, third, and fourth magnetoresistors so that a magnetic field is generated over two of the magnetoresistors in one direction, and so that a magnetic field is generated over the other two of the magnetoresistors in an opposite direction.-

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IN THE CLAIMS

Please amend the claims as follows:

B2

2. (Amended) The integrated signal isolator of claim 1 wherein the at least one turn of the input strap is disposed with respect to the first, second, third, and fourth magnetoresistors so that, when input current flows between the first and second isolator input terminals, a first field is generated across the first and second magnetoresistors and a second field is